

# SkyWaves

October

Sachse Amateur Radio Association W5SRA

2024

## IMPORTANT CLUB CHANGES; NEW OFFICERS



New officers at the September Election meeting. From left to right: Lonnie Webb KG5WHQ, Jim Szot N5JS, Jeff Feldman KI5DDX, Andy Barnes W5KZJ, Lisa Barnes KG5OBK, Ev Wingo KI5LEX, Kathy Wingo KI5LEY (Photo by Bill Barrick KJ5HSJ)



Following the September club officer election, Andy Barnes W5KZJ was re-elected to his outgoing term as president, Jeff Feldman KI5DDX was elected vice president, Kathy Wingo KI5LEY continues as club secretary, Ev Wingo KI5LEX moves over to treasurer, Jim Szot N5JS takes another turn at Director at large, Lisa Barnes KG5OBK has been elected PIO (public information officer), and Lonnie Webb KG5WHQ picked up the noose as newsletter editor.

All are members in good standing with more than one year under their belt and dues paid. Additionally, all are members of ARRL.

What this means for next year is that we will need a new president in 2025, and all positions are up for succession and training

opportunities for those that are looking for a chance to serve.

Andy Barnes became a ham in April 2013 and is an active POTA proponent having been encouraged into the hobby by KD9KEG.

He started in 1972 with a CB radio

*continued on page 17.*

### **SARA IS GLAD YOU ARE HERE**

A primary goal of SkyWaves is to reach the largest number of club members and visitors with the most varied backgrounds. We invite and depend on all those who participate in SkyWaves to contribute to making this the be ham radio rag for everyone's enjoyment. Please share your small steps and big achievements so that we may write about them!

This will inspire more hams to attempt and achieve more—thus

### ***In This Issue***

- ***New Club Officers***
- ***President's Note***
- ***Meeting Minutes***
- ***First Contact***
- ***Get On The Repeater***
- ***CW Corner***
- ***Kids and Fun***
- ***Net Control Script***

growing the hobby.

As look you through this issue please note it is meant to appeal to all levels of involvement. Beginners to old timers, Experimenters to appliance users, encompassing techies and operators of all ilks.

That includes youths as well. ♦

# 1. AMATEUR RADIO FUN 2. EMERGENCY COMMS

## SARA Club Officers for 2024-2025

Current officers for the Sachse Amateur Radio Association, per the election held at the September 2024 General Meeting.

|                            |              |        |
|----------------------------|--------------|--------|
| President                  | Andy Barnes  | W5KZJ  |
| Vice President             | Jeff Feldman | KI5DDX |
| Secretary                  | Kathy Wingo  | KI5LEY |
| Treasurer                  | Ev Wingo     | KI5LEX |
| Public Information Officer | Lisa Barnes  | KG5OBK |
| Director at Large          | Jim Szot     | N5JS   |
| Newsletter Editor          | Lonnie Webb  | KG5WHQ |

## JOIN THE ARRL

As an ARRL Affiliated Club, SARA receives a commission for every new ARRL membership and renewal we submit to ARRL Headquarters and get to retain a portion of the dues for each regular membership submitted.

Clubs retain \$15 for each new membership OR lapsed membership (of two years or more). A NEW MEMBER is defined as any individual who has never been a member of ARRL or any individual who has not retained a membership for two or more calendar years prior to the application submission.

Clubs retain \$5 for each renewal. A RENEWING MEMBER can renew at anytime, even before their current membership term expires.

You can download the ARRL Affiliated Club Membership form [here](#).

Once downloaded, complete the form and get it to the club Treasurer along with a check made out to 'Sachse Amateur Radio Association' and we will submit your ARRL membership application/renewal to ARRL Headquarters. (NOTE: ARRL Headquarters is working on getting an on-line version working so that you can go directly to them and the ARRL will send the club a check for any new or renewed memberships.)

**This month's links can all be found here:**

<https://bit.ly/m/sachseradio>



## UPCOMING EVENTS

### NEXT MEETING

**Thursday, October 10, 7:30p**  
**North Pointe Church of**  
**Christ**  
**7030 TX-78**  
**Sachse, TX 75048**  
**USA**

### NEXT INFO NET

Every Monday - "SARA Weekly  
 Information Net" 7:00pm  
 W5SRA Repeater

### SARA Club Repeater

**W5SRA**

440.350 MHz

Offset +5.00 Mhz

PL tone: 110.9

### Future SARA General Meeting Topics

October 10th - APRS Demo  
 and Club Activity Planning

### Murphy CERT now on W5SRA Repeater

Every third Wednesday the Murphy CERT net be on the club repeater. The net will begin at 19:00 central time. Listen in to our growing ham and preparedness community.

*Additional events can be found on page 18.*

**A.I.-FREE  
 ZONE**

**THIS IS AN AI-FREE ZONE  
 WHILE A.I. MIGHT CORRECT  
 OUR GRAMMAR, ALL CONTENT  
 USED IN THIS NEWSLETTER IS  
 PRODUCED BY HUMAN HANDS.  
 DUE TO LICENSING CONCERNS  
 THAT A.I. VIOLATES, WE URGE  
 CONTRIBUTORS TO RESPECT  
 THIS POLICY.**



### Laurel Testing License Grants

Laurel testing for September was held September 20, 2024 at the North Pointe Church of Christ in Sachse. One individual passed the test requirements: Matt Jamison (K15PGL) upgraded from General to Amateur Extra Class.

### QSO Breakfast

Meet us every Saturday at 7:30am for breakfast at Ballard Street Cafe, 112 N. Ballard in downtown Wylie.

People begin showing up around 7:00am with most showing up by 7:30am.

### Sunday Public Service Net

October 13 and 27

W5SRA Repeater  
8:00 PM

Frequency: 440.350 MHz  
Shift: +5MHz  
PL tone: 110.9 (Tx & Rx)

### Upcoming W5SRA Laurel Testing

October 19—9:00 to 11:00am  
7030 S. State Hwy 78, Sachse, TX 75048

Contact:  
W5JWS (John) 214.799.9927  
w5jws@arrl.net  
for additional details and to verify testing session is still open.

### Where's Mic-o

Hidden somewhere in the newsletter is a microphone like the one to the right.



Find this image in this SkyWaves and be entered in a drawing for free ham stuff reviewed in this or next month's SkyWaves.

*Additionally, you can write a letter to the editor or submit an item to SkyWaves to be in the drawing!*

### Next Board Meeting:

**October 24, 2024**

via Google Meet  
(requires Google acct)

<https://bit.ly/sara-board-meeting>



Find us on  
[Facebook!](#)

Did you know you can keep up with events and conversations between newsletters by joining the Sachse Amateur Radio Association on Facebook?

<https://bit.ly/sara-facebook-group>

**QUESTIONS?**

**ASK SOMEBODY!**

**THERE ARE MANY OF  
US—LET'S HAVE  
FUN!**

### NEWSLETTER ARTICLES

Working on a project that you think the club members would be interested in? Read a good HAM related article somewhere? Send articles to SARA Newsletter Editor:

[newslettereditor@sachseradio.org](mailto:newslettereditor@sachseradio.org)

### ACTIVITIES COMMITTEE

SARA vice-president Jeff Feldman K15DDX heads up the SARA Activities Committee. Anyone who is willing to help or has ideas may email Jeff: [vicepresident@sachseradio.org](mailto:vicepresident@sachseradio.org)

### SARA BRANDED GEAR

We now have two suppliers for SARA gear. Both of these companies have our logo on file.

HamThreads deliver custom hats, shirts, jackets and vests with SARA's logo. They can do single items. HamThreads is in Saginaw.

<https://www.hamthreads.com>



### SARA NAME BADGES

If you don't have a SARA name badge, turn to [namebadge.com](https://namebadge.com). Please go to: <https://namebadge.com/sachse>



## Letters

Thank you for reading SkyWaves!

Since this is my first run at the newsletter role I am highlighting the **most vital person in the club: YOU!**

Without you, the participating club member, we couldn't do the two things the Sachse Amateur Radio Association is here to do: Have fun and serve those who might need communication in a serious situation.

**Are you prepared for a three-day power outage?** Texas has weather, you know. Can you help others prepare? Look around and figure out how you plug in. If you don't need us, we need you.

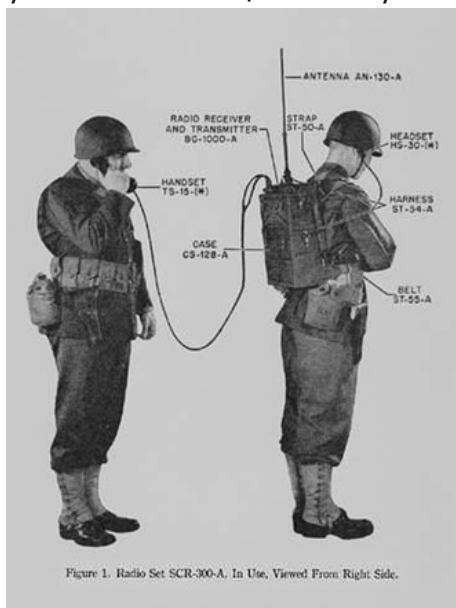


Figure 1. Radio Set SCR-300-A. In Use, Viewed From Right Side.

*First Walkie-Talkie*

If you have trouble with anything then **ask for help**. We have a weekly net, a weekly breakfast, and a 24-hour repeater. Hop on and just start talking. More than that we have subject matter experts, ARRL representatives, and volunteer examiners (VE) on hand to help you.

Make your next stop to check the **RadioQuest cards** in this issue. Even if you are an old

timer this is a fun challenge to complete the items listed. Who will complete a card first?

There will be free stuff at the next club meeting. Everyone gets one chance if they are present. Also, there are bonus entries.

We are bringing Mic-o back. If you find Mic-o and email [newslettereditor@sachseradio.org](mailto:newslettereditor@sachseradio.org) you get a bonus entry in the free drawing for whatever I give away this month. BUT you have to be at the meeting.

**These are things you can achieve!**

Shoot me your letters, questions, and ideas to appear here. If you do this, you get a bonus entry in the drawing.

**We need submissions badly for the newsletter.** What did you like in the newsletter? What did you hate? Did the last meeting go the way you wanted? Tell me.

**And about the hardware,** I really need you to write me some notes about the new radios from ICOM, Yaesu, Kenwood, and XIEGU. I'll help shape it up as needed.

**Go-box** photos are in demand, dear member. Snap an action photo of your go-box and tell me what makes it tick. Every one of them has something special.

So, with that said, go grab another ham and have fun. And keep learning!

—editor

[newslettereditor@sachseradio.org](mailto:newslettereditor@sachseradio.org)



## SILENT KEY

**N5LDD, David Wayne Lussmyer**



Wayne's key went silent on September 11, 2024. He was a long time member of the club and a real stand up guy. He volunteered even as he fell ill for field days, antenna raisings, and many VE sessions. He can be credited in supporting us all at SARA at one time or another.

In my own case, Wayne gave me a radio for Han when she got her license. I remember how worn the PTT was. I had never seen a working radio with that much wear! He put a hand mic on it for her and gave me a programming cable that I still have. Wayne was very supportive of my family and my journey with radio.

A fine epitaph for any ham.  
*Do you have a story of Wayne's journey? I hope you'll send it in.* ♦



## President's Message

Hello October!

I hope this letter finds everyone well! I would like to take this opportunity to welcome our new members to SARA's Board of Directors: **Jim Szot** – N5JS, **Lonnie Webb** – KG5WHQ, and **Lisa Barnes** – KG5OBK. Also, welcome **Ev Wingo** – KI5LEX and **Jeff Feldman** – KI5DDX to their new positions.

I'm excited as we enter into a new year at SARA. I'm looking forward to new opportunities to serve our community, radio in the park, and any other activity that may bring us together to play radio.

At the October meeting our presentation will be activity planning for the club and in November we will welcome **William Newman**, WL9N – Texas State RACES - District Radio Officer (DRO) 04-DFW. He will be discussing some background in Emergency Communications, differences between ARES and RACES entities, how resources are requested during a disaster or emergency scenario through the State of Texas, the State Operations Center, the role that Texas State RACES fills in the big picture, and how one might seek membership in Texas State RACES. Kathy, KI5LEY was net control for the Radio in Sachse Information Net September 23<sup>rd</sup>. Her question for the net was, "What topics would you like to see in the presentation of SARA's General Meeting?" The majority of the responses came back that you would like to see more basic material. If you have seen a presentation that you think would be interesting to the group, please let me know at

president@sachseradio.org. Let's make plans to meet at Spring Creek Forest Reserve at 1770 Holford Road, Garland November 2<sup>nd</sup> for a Parks on the Air Activation(POTA). We will be using the club call W5SRA to make contact. I will have my radio setup for anyone to use. If your license class is technician or have never been on the HF bands this is a perfect opportunity for you to experience the world of HF.

I hope to see you at SARA's General Meeting October 10<sup>th</sup> at North Point Church of Christ, 7030 SH-78 N, Sachse TX.

73,  
Andy Barnes, W5KZJ ♦



Moral of the Story: You need to learn SSTV....

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## **Meeting Minutes**

### **Sachse Amateur Radio Association General Meeting Minutes September 12, 2024**

Start time: 7:30 p.m.

Location: North Pointe Church

Facilitator: President Andy Barnes W5KZJ

Everyone stood and joined in to say The Pledge of Allegiance.

Welcome to members and guests as they introduced themselves with names and call signs.

#### **Attendees:**

Andy Barnes W5KZJ

Lisa Barnes KG5OBK

John Smyder W5JWS

Lonnie Webb KG5WHQ

Ev Wingo KI5LEX

Mike Crow W5MJC

Linda Smyder K5LCS

Bill Barrick KJ5HSJ

Kathy Wingo KI5LEY

Jeff Feldman KI5DDX

Jim Szot N5JS

#### **President's Report – Andy Barnes W5KZJ**

The next Board Meeting will be held on Thursday September 26th at 7 p.m. via Google Meet. There is a link in SARA Skywaves, all are welcome. The next General Meeting will be on Thursday October 10th at 7:30 p.m. at North Point Church.

#### **Upcoming General Meeting Subject Plans:**

- September – Elections
- October – TBD
- November – TBD
- December – Christmas Dinner

#### **Future General Meeting Topics:**

- Ideas for upcoming meetings
- Please help with subject matter

#### **Meeting Minutes – Kathy Wingo KI5LEY**

Due to lack of a quorum at the last meeting this item is being brought back for approval by membership. The minutes for July 11, 2024, meeting was in the newsletter and on the website.

**MOTION:** Kathy Wingo KI5LEY made a Motion to approve the July 11, 2024, meeting minutes. Lonnie Webb KG5WHQ seconded the motion. Motion carried unanimously.

The minutes for August 8, 2024, meeting was in the newsletter and on the website.

**MOTION:** Ev Wingo KI5LEX made a Motion to approve the August 8, 2024, meeting minutes. Mike Crow W5MJC seconded the motion. Motion carried unanimously.

#### **Treasurer Report – Linda Smyder W5LCS**

Due to lack of a quorum at the last meeting this item is being brought back for approval by membership. July 2024 Treasurer Report was presented to the members.

***A copy of the financial report is available to members upon request.***

**MOTION:** Jim Szot N5JS made a Motion to approve the July financial report. Lisa Barnes KG5OBK seconded the

motion. Motion carried unanimously.

August 2024 Treasurer Report was presented to the members.

***A copy of the financial report is available to members upon request.***

**MOTION:** Kathy Wingo KI5LEY made a Motion to approve the July financial report. Jeff Feldman KI5DDX seconded the motion. Motion carried unanimously.

**Public Information Officer's Report - Jeff Feldman KI5DDX**

- Saturday QSO Breakfast @ Ballard Street Café @ 7:30 a.m.
- SARA's Weekly Information Net, Monday at 7:00 p.m.
- Next Laurel VE Session September 21st @ North Pointe Church, 9 – 11 a.m.

**SARA Information Net**

The SARA Information Net is held on Monday, at 7:00 p.m. Weekly Information Net Control:

|                |                     |
|----------------|---------------------|
| September 16th | Ev Wingo KI5LEX     |
| September 23rd | Kathy Wingo KI5LEY  |
| September 30th | Andy Barnes W5KZJ   |
| October 7th    | Jeff Feldman KI5DDX |
| October 14th   | Lonnie Webb KG5WHQ  |
| October 21st   | Kathy Wingo KI5LEY  |
| October 28th   | Ev Wingo KI5LEX     |
| November 4th   | Andy Barnes W5KZJ   |
| November 11th  | Jeff Feldman KI5DDX |

**Newsletter Editor's Report - Ev Wingo KI5LEX**

The September newsletter has been posted to the website and emailed to membership (distribution 162).

Submissions for the newsletter are due by the 25th of each month. The goal is to have the newsletter out on the 1st of each month.

Article Ideas:

- Projects that you are working on or have completed,
- Events and activities related to amateur radio,
- Articles you have read in other publications,

*Remember, our distribution is beyond our membership and our content could encourage other people to come get involved!!*

Send pictures and articles to [newslettereditor@sachseradio.org](mailto:newslettereditor@sachseradio.org)

**Ten-Minute Break**

Everyone took a ten-minute break.

**Elections:**

What does it take to be a club officer (and more)

President:

- Preside over club meetings
- Enforce observance of the club constitution & by-laws
- Sign all official club documents
- Serve as 'Ex-Officio' of all committees
- Serves as a member of the Business Committee
- Prepare Board of Director agenda with help from all board members
- Prepare General Meeting slide deck with help from all board members

- Must be a member for 1 year to serve
- May not serve more than 2 consecutive years without a 1-year period between terms
- Appoint members to the communication committee
- Appoint members to the nominating committee

Vice-President:

- Assume all duties of the President in her/his absence
- Serves as Chairperson of the Activities Committee
- Serves as a member of the Business Committee
- If president office vacancy, assumes that office
- Coordinates Field Day activities (winter & summer)
- Must be a member for 1 year to serve
- May not serve more than 2 consecutive years without a 1-year period between terms

Secretary:

- Keeps records of all meetings, including Business Committee
- Maintains the membership role
- Maintains the Constitution and By-Laws of the club
- Makes Constitution and By-Laws available to all members
- Serves as a member of the Business Committee
- Keeps record of attendance of all meetings to verify quorum
- Keeps record of attendance of 'Info Net'

Treasurer:

- Receive all funds and provide receipts accordingly
- Pays bills as approved by the BoD and membership as required
- Provide quarterly itemized statement of disbursements and receipts
- Share club finances with membership annually
- File documents required by state and federal agencies
- Serve as a member of the Business Committee
- Must be a member for 1 year to serve

Public Information Officer:

- External promotion of the club to the local community
- Maintains the club website with upcoming ham events
- Responsible for the club social media sites
- Recruit Network Control Stations (NCS) for weekly nets

Newsletter Editor:

- Responsible for the publication of the SARA newsletter monthly

Director at Large:

- Provide a tie breaking vote
- Represent the general membership at board meetings

General Officer Information:

- All office terms are one year
- Can not hold more than one office simultaneously
- Elected officers assume the position the day after elections

Standing Committees:

Communications



- Trustee is chair
- Be responsible for the maintenance, procurement, and general upkeep of all club property

#### Nominating

- At least 2 people that will seek at least one volunteer to fill each officer position

Nominations were open to the floor. Lisa Barnes KG5OBK was nominated for Public Information Officer and Jim Szot N5JS was nominated for Director at Large.

**MOTION:** John Smyder W5JWS made a Motion to close the nominations. Lonnie Webb KG5WHQ seconded the Motion. Motion carried unanimously.

The following were presented to the members for consideration.

The following individuals are hereby nominated to serve as the SARA 2024-2025 Board of Directors:

President Andy Barnes W5KZJ

Vice-President Jeff Feldman KI5DDX

Secretary Kathy Wingo KI5LEY

Treasurer Ev Wingo KI5LEX

Newsletter Editor Lonnie Webb KG5WHQ

Director at Large Jim Szot N5JS

Public Information Lisa Barnes KG5OBK

**MOTION:** Kathy Wingo KI5LEY made a Motion to accept the slate of officers for the coming year. Jeff Feldman KI5DDX seconded the motion. Motion carried unanimously.

#### **Other Business:**

There was no other business.

#### **Adjournment:**

**MOTION:** Mike Crow W5MJC made a Motion to adjourn the meeting at 8:02 p.m. Lonnie Webb KG5WHQ seconded the motion. Motion carried unanimously.

Respectively Submitted by  
Kathy Wingo KI5LEY

**NEXT MEETING**  
**Thursday, October 10, 7:30p**

**North Pointe Church of  
Christ  
7030 TX-78  
Sachse, TX 75048  
USA**

## New Hams! What to buy?

Our club repeater is on UHF(see details on page 2) and is available for use by all licensed amateurs. Most clubs in our area run on VHF or UHF frequencies. Lucky you, new tech licensees have a low barrier to entry into VHF/UHF being that you can get on the air with one complete handheld package for under \$20 USD on AliExpress, Amazon, and our club favorite Ham Radio Outlet.



My first ham radio was a pricey ICOM handheld(\$380). Experience has taught me all you really need is the revised Baofeng(\$16-30). I say that because the original UV-5R released too many "birdies" into the wild(too many unintentional harmonics).

Get yourself a Nifty Accessories Quick Reference Guide to match your radio. You'll thank us.

If you already have your license you have already learned about the evils of uncontrolled harmonics in the bands.

You will also have read about how, in your home or car, you could improve your operating with an antenna. Comet and Arrow antennas are favorites for working local repeaters. I love my Compactenna on my truck.

Operate for a few weeks to see where you need the antenna then take your concerns to Ham Radio Outlet.

## Coax

If your newly-minted license is ready to go you might find yourself connecting your chosen rig to an actual outdoor antenna(antenna's are indeed a theme today)by way of a run of coax cable. Not shockingly, a big enemy of communications is loss through coax. You can save a lot of frustrations by just choosing a coax that matches the band you operate in most.

Seriously, spend your money on coax cable. Your transceiver will never outperform the cable connecting it.

Do your research to select the type of cable that matches your use. Specifically, is cable to be used for 2m or HF?

Having made that selection, you need to put connectors on both ends, right?

## Connector

Consider how you plan to use the rig. Will this be your base station or do you plan to activate Parks on the air(POTA) or Summits on the air(SOTA)?

Standardize on a connector that fits your needs.

If you buy a off-the-shelf antenna you may be forced into a choice of a sealed connector and possibly adapters. Adapters can leak 1/2 decibel.

However, given a choice, there are three connectors to consider. HT rigs often come with SMA connectors. These are



Figure 1. SMA Connector

tiny brass numbers and just fine for the job.

For lasting base station installs or mission-critical use, a good option is the more rugged PL-259 which provides a little more strain relief and a large surface area to connect/disconnect the plug. Most larger radios come equipped with these.



Figure 2. PL-259

The third use case is one where the operator hikes, backpacks, or camps. Your likely need here is to quickly connect/disconnect cables. A connector made for just this purpose is the BNC connector. The joy of these is that there is a quick-connect ring to lock and unlock the connection.

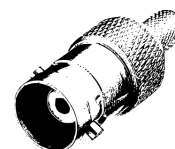


Figure 3. BNC connector

Check these out at Ham Radio Outlet in Plano so that you can get your hands on them. While you are at it, cast an eye over adapters so that you can mentally plan what you might need to connect an oddball connector to your equipment. Very high odds you will need one.

Lastly, if questions arise then bring them to the weekly info net and the weekly breakfast. And with that good luck on your new ham radio adventure. ♦

## The RST System

When you make a contact, use this system to make a signal report.

### Readability

- 1--Unreadable
- 2--Barely readable, occasional words distinguishable.
- 3--Readable with considerable difficulty.
- 4--Readable with practically no difficulty.
- 5--Perfectly readable.

### Signal Strength

- 1--Faint signals, barely perceptible.
- 2--Very weak signals.
- 3--Weak signals.
- 4--Fair signals.
- 5--Fairly good signals.
- 6--Good signals.
- 7--Moderately strong signals.
- 8--Strong signals.
- 9--Extremely strong signals.

### Tone (CW)

- 1--Sixty cycle a.c or less, very rough and broad.
- 2--Very rough a.c., very harsh and broad.
- 3--Rough a.c. tone, rectified but not filtered.
- 4--Rough note, some trace of filtering.
- 5--Filtered rectified a.c. but strongly ripple-modulated.
- 6--Filtered tone, definite trace of ripple modulation.
- 7--Near pure tone, trace of ripple modulation.
- 8--Near perfect tone, slight trace of modulation.
- 9--Perfect tone, no trace of ripple or modulation of any kind.

Source: ARRL

Example:

"W5JWS, I read you at 5 and 9."◆

## Make Your First Contact

You made it! You have your license in your inbox, you now have a call sign and a radio charged up in your hand! Life is GOOD!

But now what? The exam prep manual didn't say anything about what to say or how to say it or who to say it to.

Here's how you make a contact. Dial that new Chinese radio to a frequency and practice calling CQ. During the day most of these will be quiet in the DFW area so no one is going to hear you mess up.

Try simplex first:

146.52 -NatlNatl Calling Frequency

146.58 - Ham Radio Adventure Frequency

144.20 - Natl Calling Frequency 2

Once you dial one of those frequencies, listen for a full minute or two to see what's going on.

If no one is speaking, press the button, pause for a three count, and say "Is this frequency in use?" Listen. Then repeat up to three times. That's good radio etiquette, you see.

If someone answers, talk to them. Assuming otherwise, press the button, wait for a three count, say "This is MYCALL, calling CQ CQ CQ." (Using your actual call sign.)

**You did it! You're now a cool ham radio operator!**

What can you talk about? Ask each other's grid location.◆

### WHERE ARE YOU?

<https://bit.ly/sara-grid-locator>



## RADIO QUEST TECHNICIAN LEVEL

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| <input type="checkbox"/> | Found an Elmer(someone to answer how-to questions)        |
| <input type="checkbox"/> | Listened on a frequency before talking                    |
| <input type="checkbox"/> | Used your call sign on your handy talkie(HT)              |
| <input type="checkbox"/> | Spoke to another person on a regular (simplex) frequency) |
| <input type="checkbox"/> | Spoke on club repeater                                    |
| <input type="checkbox"/> | Sent an APRS update                                       |
| <input type="checkbox"/> | Logged in on QRZ.com and created a logbook                |
| <input type="checkbox"/> | Made a contact via satellite/ISS on an HT                 |
| <input type="checkbox"/> | Got my grid location                                      |
| <input type="checkbox"/> | Gave a signal report                                      |
| <input type="checkbox"/> | Send a CW/Morse code CQ                                   |
| <input type="checkbox"/> | Attended a ham club meeting                               |
| <input type="checkbox"/> | Joined the ARRL                                           |
| <input type="checkbox"/> | Checked-in on a club info net                             |
| <input type="checkbox"/> | Asked a question on a net or a club meeting               |
| <input type="checkbox"/> | Joined breakfast Eyeball QSO on Saturday                  |
| <input type="checkbox"/> | Passed a license exam                                     |
| <input type="checkbox"/> | Signed up for EchoLink                                    |
| <input type="checkbox"/> | Bought a cheap Chinese radio                              |
| <input type="checkbox"/> | Bought an expensive Japanese radio                        |
| <input type="checkbox"/> | Built a radio                                             |
| <input type="checkbox"/> | Built a j-pole/2m antenna                                 |
| <input type="checkbox"/> | Made a balun                                              |
| <input type="checkbox"/> | Made an RF choke                                          |
| <input type="checkbox"/> | Made a go-bag/go-box                                      |
| <input type="checkbox"/> | Went on a POTA expedition                                 |
| <input type="checkbox"/> | Asked a new contact what radio/ antenna they were using   |
| <input type="checkbox"/> | Was asked what radio/antenna you are using                |
| <input type="checkbox"/> | Served as a net control operator                          |
| <input type="checkbox"/> | Join the ARRL                                             |

CHECK ALL THAT YOU HAVE COMPLETED. HAVE YOU FULFILLED THIS MONTH'S QUEST?

DO YOU HAVE SUGGESTIONS FOR NEXT MONTH'S RADIOQUEST? LET ME KNOW HOW YOU DID. POST SCREENCAPS ON FACEBOOK FOR BRAGGING RIGHTS!

[newslettereditor@sachseradio.org](mailto:newslettereditor@sachseradio.org)

# RADIO QUEST

## GENERAL LEVEL

|                          |                                                   |
|--------------------------|---------------------------------------------------|
| <input type="checkbox"/> | Tuned up your first HF frequency                  |
| <input type="checkbox"/> | Made a DX contact(out of the continental US)      |
| <input type="checkbox"/> | Joined a traffic net                              |
| <input type="checkbox"/> | Sent a radiogram                                  |
| <input type="checkbox"/> | Worked a Field Day contact                        |
| <input type="checkbox"/> | Participated in a contest                         |
| <input type="checkbox"/> | Used a digital mode                               |
| <input type="checkbox"/> | Sent an email over the radio                      |
| <input type="checkbox"/> | Connected your radio to the computer/ internet    |
| <input type="checkbox"/> | Used a SWR meter                                  |
| <input type="checkbox"/> | Grounded your station                             |
| <input type="checkbox"/> | Grounded your antenna                             |
| <input type="checkbox"/> | Applied a lightning arrestor                      |
| <input type="checkbox"/> | Drove a ground rod                                |
| <input type="checkbox"/> | Computed RF emissions for your station            |
| <input type="checkbox"/> | Ran your station on a battery                     |
| <input type="checkbox"/> | Powered your station from a car power supply      |
| <input type="checkbox"/> | Created your first scratch paper log              |
| <input type="checkbox"/> | Installed logging software(such as hamrs/n1mm)    |
| <input type="checkbox"/> | Logged on to LOTW                                 |
| <input type="checkbox"/> | Used a pi*star                                    |
| <input type="checkbox"/> | Used a Watt meter                                 |
| <input type="checkbox"/> | Made a counterpoise                               |
| <input type="checkbox"/> | Threw a wire up in a tree for an antenna          |
| <input type="checkbox"/> | Know who Dave Cassler is                          |
| <input type="checkbox"/> | Have given a Roger Roger (RR)                     |
| <input type="checkbox"/> | Stood on a ladder and wondered "Will it antenna?" |
| <input type="checkbox"/> | Joined RACES                                      |
| <input type="checkbox"/> | Listened to a weather net                         |

CHECK ALL THAT YOU HAVE COMPLETED. HAVE YOU FULFILLED THIS MONTH'S QUEST?

DO YOU HAVE SUGGESTIONS FOR NEXT MONTH'S RADIOQUEST?  
LET ME KNOW HOW YOU DID. POST SCREENCAPS ON FACEBOOK FOR BRAGGING RIGHTS!

newslettereditor@sachseradio.org

## AN ANTENNA IS BETTER THAN NO ANTENNA

by Jeff Feldman KI5DDX

My dad and I rag-chewed on CB radio in the house and mobile during the 60's. When I was 12 years old, I wanted to learn to fly, so I joined the Civil Air Patrol. My great-uncle challenged me to obtain my Novice license before being allowed to train to fly. In 1971, at 14 years old, I was licensed as WN0FWR. Under supervision, I built a Heathcraft HW-16 and my uncle and cousins put up a 40 meter dipole in the "swamp" behind our house, between two willow trees about 10 meters off the ground. As the HW-16 was crystal controlled, I had access to CW only. I burned-up 40 meters with CW contacts all over the world until we moved to Texas from Minneapolis about a year later. Unfortunately, I had to abandon the hobby when we moved. I had a cousin who was an Extra with a shack that shamed most military installations, so I got to play with SSB, FM, AM, and SSTV.

Fast forward about 47 years. I obtained my Tech then my General license as preparation for impending retirement, giving back to the community and staying busy. After much agonizing research, I purchased an ICOM 7300 as my HF base station. A lot has changed since my HW-16 days. The learning curve was/is steep. Thank goodness for YouTube.

Then came the really hard part. Antenna, anyone? Getting back into ham radio had been an

afterthought. We purchased our dream home but it was located in an HOA with almost "zero" lot lines, shared fences, surrounded by two-story homes, and we were situated in the lowest spot in the neighborhood.

I've worked with lawyers most of my working career. The rule is: ask five lawyers, get ten answers. So began the research on a functional antenna. I had to come up with an antenna solution that would meet all these conditions and overcome these limitations:

1. No visible antenna within the HOA
2. No mature trees on my property to hang or hide an antenna
3. No attic space to speak of
4. Underside of roof is clad with aluminum-backed insulation
5. Husband NOT allowed at anytime on VERY steep two story roof, period, non-negotiable
6. Aluminum gutter joints around house are poorly joined - gutter antenna no-go or at least not cost effective
7. Antenna strung on top of the fence appears noisy and tuning is too variable allegedly because of steel poles supporting the fence. Dipole antenna also appears to act as "cloud burner" with signal going straight up and bouncing back off walls of the two-story houses surrounding the fences
8. Wife: Coax cannot be visible, period.
9. Wife: No "temporary" or portable antennas in the backyard

I narrowed it down to two choices: Off-Center Fed Multi-band Dipole or End-Fed Half Wave. My research and queries

*continued on page 15.*



## Shortwave Listening

If you got yourself a nice high frequency-capable (HF) radio and you want to listen to something on your new rig. An important note here: you don't have to have a license at all to listen. But you do need an antenna that will match the frequencies (check out this month's CW corner by Jim Eatman) or a shortwave receiver. They are pretty cheap.

The ability to receive shortwave (SW) is a boon to the hobbyist but in a disaster these stations could become a needed source for information.

These frequencies and times were verified by the SWL YouTube channel.

### Observations from 16:00 to 17:00 UTC

**4930** VOA in English from Botswana  
**5860** Radio Farda from Kuwait  
**5885** VOA in Burmese from Udon Thani  
**5940** VOA in English from Botswana  
**7540** Radio Free Asia in Chinese (assumed to be active, heard the Chinese jammer, CNR1)  
**9310** VOA Deewa Radio in Pashto from Udon Thani  
**9370** and **9380** VOA in Burmese from Tinang  
**9560** RFA in Uyghur from Paochung, Taiwan (weak)  
**9760** VOA in Tibetan from Lampertheim, Germany (assumed to be active, CNR1 jammer heard)  
**9910** RFA in Korean from Guam  
**9950** VOA in Tibetan from Udon Thani (CNR1 heard with music and voices from VOA in background)  
**9990** RFA in Korean, formerly Tinian Island, Marianas?  
**11575** VOA Radio Ashna in Pashto from Kuwait  
**11610** RFA in Chinese, from Tinian Island before? (CNR1 heard)  
**11675** RFA in Uyghur, from Tinian Island before? (CNR1 heard)  
**11910** VOA in Sudanese from Botswana (weak)  
**11985** RFA in Korean, from Saipan, Mariana Islands before? (just noise)  
**12005** Radio Farda in Persian from Woofferton (just noise)  
**12035** and **12070** VOA Deewa Radio in Pashto from Udon Thani  
**12055** VOA in Sudanese from Udon Thani  
**13590** VOA in English (listed as Sudanese) to Sudan from Al Dhabbaya, UAE  
**13810** RFA in Chinese from Dushanbe (CNR1 heard)  
**13820** VOA Deewa Radio in Pashto from Kuwait

**15140** RFA in Uyghur, from Tinian before? (CNR1 heard)  
**15260** VOA in Swahili from Botswana  
**15445** Radio Sawa in Arabic from Kuwait  
**15460** VOA in Swahili, from São Tomé before?  
**15640** VOA Deewa Radio in Pashto from Lampertheim (not heard)  
**15660** VOA in English (listed as Sudanese) from Lampertheim  
**15730** VOA in Somali from Botswana (weak)

### Observations from 17:00 to 18:00 UTC

**9310** VOA Deewa Radio in Pashto from Udon Thani  
**9360** RFA in Chinese from Kuwait (Great Firedrake heard)  
**9370** Radio Farda in Persian from Kuwait  
**9820** VOA in Kurdish from Udon Thani  
**9990** RFA in Korean from Guam  
**11610** VOA in Oromo from Woofferton  
**11905** VOA in Kurdish from Biblis (just traces)  
**12005** Radio Farda in Persian from Woofferton (very weak traces)  
**12035** VOA Deewa Radio in Pashto from Udon Thani (weak)  
**12055** VOA in Sudanese from Udon Thani  
**12070** VOA in Oromo, from São Tomé before?  
**12080** VOA in Portuguese from Botswana (possible weak traces, I will check this one again)  
**15140** VOA in English from Woofferton  
**15460** VOA in Shona, from São Tomé before?  
**15580** VOA in English from Botswana (weak)  
**15660** VOA in Oromo, São Tomé before?  
**15730** VOA in Somali from Kuwait  
**17530** VOA in English from Greenville (very weak)  
**17655** VOA in Portuguese from Santa Maria di Galeria

### *Meanwhile, here in the states...*

The immortal **WTWW**, The Big One on 5085, is on 9475. Nearly as famous, **WRMI**, Radio Miami International, 9955, 7570.

**WRMI** also has oldies over on 5050.

This is non comprehensive to be sure but these three stations have ties to KCBI local to Dallas. Send a note to the editor if you want to more detail about that. ♦

### WHERE TO BUY?

SARA encourages you to engage local ham radio stores before going online.

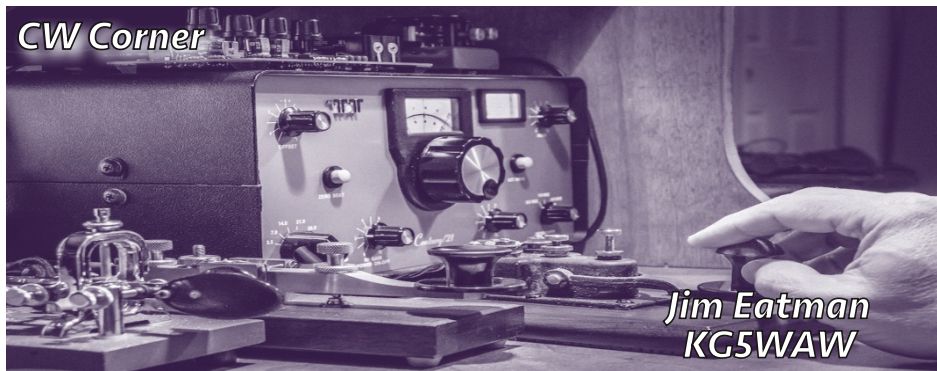
**Main Trading Company**  
**2707 Lamar Ave**  
**Paris, TX**  
**75460**  
 903-737-0773  
[www.mtcradio.com](http://www.mtcradio.com)

### WHERE TO BUY?

SARA encourages you to engage local ham radio stores before going online.

**Ham Radio Outlet**  
**701 E Plano Parkway 406**  
**Plano, TX**  
**75074-6757**  
 972-424-6219  
[www.hamradio.com](http://www.hamradio.com)

*CW Corner*



## ANTENNAS OF LAST RESORT

### Big Blow

A couple of [months] ago, we had a storm in North Texas with high winds. My main antenna at home is a 43' wire that is supported on one end by a 60' pecan tree. The pecan tree survived, but some high branches broke off and came down across the antenna wire.

I have a "breakaway" on the wire insulator at the feed pole that will activate at about 40 lbs. The wire is much stronger than that, so when the wire is stressed the breakaway saves the antenna and it falls harmlessly onto the grass in the back yard. I just replace the breakaway and put the wire back up to the feed pole. That takes about 5 minutes to do.

### Unfortunately...

Unfortunately, there are broken branches still up in the tree that I can't get down. I'm waiting for an arborist, along with about 2 million other North Texans. It's not a good idea to put the wire back up under these conditions.

I want to keep operating my radio, despite the antenna problem. This situation has happened before, and I put up a 10' pole with a 102" CB whip as a temporary HF antenna. The whip was still in place when the windstorm came. The whip is

mounted on a "potbelly" spring, and it just bent over in the wind.

The stainless steel whip was bent a little (maybe 5 degrees) but I bent it back. None the worse for wear.

### Back in Business

I put a 4:1 balun on the CB whip and away we went. With the 4:1, the impedance of the CB whip is closest to 50 ohms on 40 meters. I operate a lot at night, so this works well for me. It "tunes up" on all other bands (80 M and shorter) with a manual tuner.

### Too Short Antennas Reek

A CB whip is about 2.75 meters long. A 1/4 wave 40 meter antenna is 10 meters long. So, the CB whip "works" on 40 meters... but compared to a 10 meter antenna... it's about 27% efficient.

I'm not swinging for the fences here. I'm just trying to stay on the air until I can get a longer antenna back up. I'm happy. I'll push 100 W at it and get a few watts radiated - enough to work North America.

By the way... I called the arborist. His voicemail mailbox is full and won't take messages. I might be using the CB whip for a while. 10-4

### In the Park

Bad weather during a park outing is bad in a lot of ways. The worst problem is that portable antennas blow around. Most portable gear is not weatherproof. Coax connectors (and QRP baluns) aren't sealed.

In the "go box" I have a portable "antenna of last resort". It's a 5', base-loaded whip, tuned for 20 meters. It collapses down to about a foot in length. Fully extended, it can sit on the opposite end of a picnic table, under a canopy. Again, it's not a 5 meter, 1/4 wave antenna. It'll only be about 30% efficient compared to a 1/4 wave. But, with the right counterpoise wire thrown on the ground... it's better than no antenna.

With a tuner, this antenna will also work on other bands (except 10 M?).

### There are Ways

What I am saying is, there are ways to deal with antenna problems. The problem might be that a storm brought your tower (in my case, a tree) down. The problem might be your HOA. The problem might be the challenge of operating portable.

Last night I talked to a guy in rural West Virginia whose problem is that he doesn't have a big radio budget. He operates QRP with cheap radios and wire antennas. But, I "talked" (CW) to him last night on 40 meters... and he's 1000 miles away. And after I finished our QSO, someone else called him.

### The Field Day mentality

What is your fallback plan if your antenna comes down in a storm? How long would it take

you to get back on the air?  
What if you lost power? How  
long could you operate?

That's really the Field Day  
question.

I'm an old man. When the  
day comes, what kind of radio  
life could I have in an  
apartment? In assisted living?

A "go box" - batteries  
charged, sitting by the door...  
could be the answer.



### A Matter of Money

There are multiband QRP  
radios available for less than  
\$150. Are they perfect? No.

There are multiband QRP  
radios that cost \$1500. Are they  
perfect? No. Nothing is perfect  
that only puts out 5 or 10 watts.

In the case of CW, a 5 W CW  
signal is a 5 W CW signal. The  
price of the radio doesn't affect  
that. The cheap radios have less  
capable receivers in them. From  
a practical standpoint, if your  
antenna and your radio can pick  
up the noise - you are home free.  
Signal that is below the noise  
may be usable with FT8, but it  
isn't usable with CW - or SSB.

No matter how much money  
you spend, you are still at the  
mercy of propagation and noise.

If you run CW or FT8, the  
noise problem is lessened,  
because the bandwidth is  
narrower.

Another issue is, if there is no  
one on the band to talk to...  
there is no one on the band to  
talk to. A 1 million dollar radio  
setup doesn't wake someone  
else up to talk to you.

### Be Happy

I'm just thrilled to be able to  
operate after my main antenna  
came down in a storm. And to  
be able to talk to a QRP CW

operator in WV is even better. ♦

*(Alvin Eatman, KC5WAW, Page 12)*

to the various ham forums led  
me to the OCF as the most  
utilitarian. Again, ask five people  
about which one would be the  
best alternative, you'll get 10  
different answers. I bought the  
OCF Multi-band and several  
months later had the guys who  
install my Christmas lights on  
the roof ridges every year put up  
my antenna. The antenna runs  
north to south along the peak of  
the roof. The coax feed point  
then goes down a roof vent in to  
my attic, and down the wall to  
my shack in a guest bedroom on  
the second floor, a run of about  
8 meters of coax at most.

I was told this would be a bad  
configuration for an antenna.  
Reception on the antenna has a  
very bad/has a very high noise  
floor but I was hearing U.S.  
stations from all over and  
several DX locations. I was very  
hesitant to attempt  
transmitting until I obtained a  
solid read on SWR; I did not  
want to blow up the transmitter.  
I had also purchased an antenna  
tuner and learned how to use it.  
Our ham club president  
consented to come to my QTH  
and check my antenna's SWR  
with a proper meter. I had  
previously checked with my  
Nano-VNA and got ZERO  
resonance for any of the  
frequencies my antenna was  
supposedly resonant. The  
antenna analyzer confirmed  
what my Nano-VNA indicated:  
an SWR of over 1:9 on any of the  
bands I was most interested in.

BUT, the external tuner, when  
activated, appeared to tune  
when needed. I tried a few CQ  
calls early in the day one  
weekend after "tuning up" and  
the transmitter didn't blow up!

Several weeks ago, I heard The  
Indianapolis 500 special event  
group calling CQ on 20 meters.  
Here was my chance to respond  
back! So I did, and received a 5-9  
report back. Since then, I have  
made a number of contacts on  
various nets on 20 meters for  
hops of about 400-500 miles in  
the U.S. and Mexico.

I learned how to use the noise  
blanker on the radio and that has  
helped tremendously pull out  
weaker stations. My next  
juggernaut is to properly ground  
the radio and accessories and try  
installation of some ferrite  
beads on cables and power lines  
to see if that helps with noise.

While not ideal, and my high  
noise floor is a little bit  
bothersome, the moral of the  
story is:

**AN ANTENNA IS BETTER THAN  
NO ANTENNA ♦**





# Hugo Gernsback Part One: An Introduction to the Other Most Historical Name in Ham Radio

by KG5WHQ

Hugo Gernsback (1884 – 1967) emigrated from Luxembourg to the U.S. in 1904 and became a significant figure in electronics becoming largely instrumental in the history of ham radio. Amazingly, Gernsback was also an editor and magazine publisher whose publications included the monumental sci-fi magazine Amazing Stories. Along with the novelists Jules Verne and H.G. Wells, Gernsback is credited as "The Father of Science Fiction". The Hugo Award is named after him.

## Why is he important in electronics?

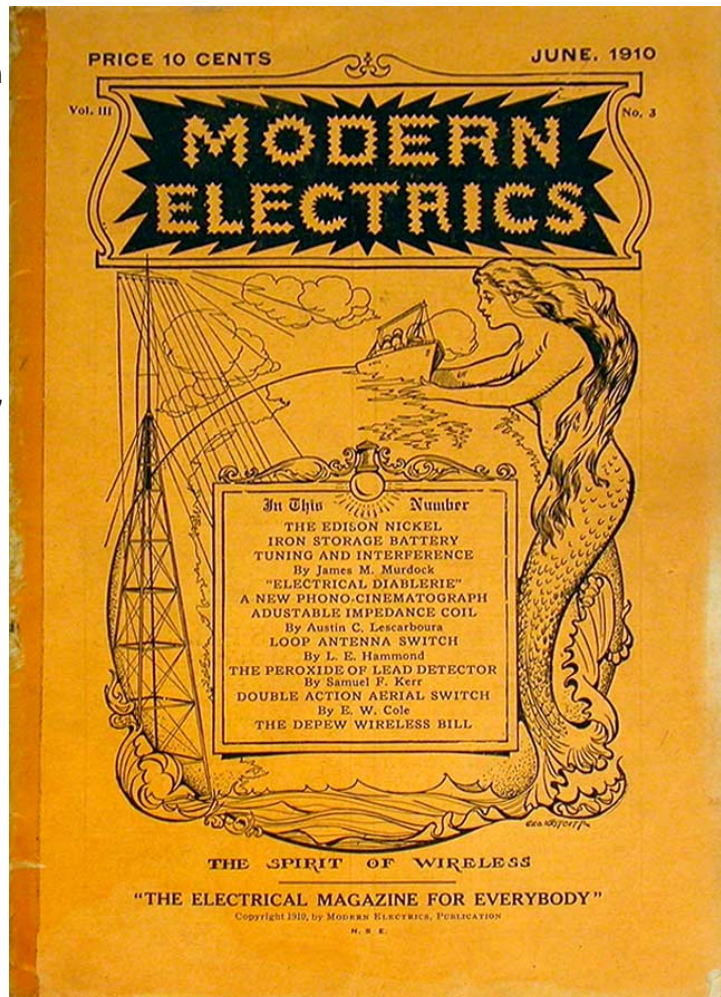
Prior to the creation of science fiction as a popular genre, (or at least naming it—he originally called it "scientifiction")

Gernsback imported European "wireless" (radio) parts and helped popularize "amateur wireless" that we now know as amateur radio.

As an entrepreneur, he founded the ground-breaking Electro-Importing Company. Shipping mail-order wireless sets to Americans for the first time in 1906. The Telimco (Gernsback's

set) was the first home receiver—a spark radio—made and sold commercially at a remarkable \$7.50.

In 1908 Gernsback launched



the world's first magazine about electronics and wireless, Modern Electrics. The following year, as part of the magazine, he founded the Wireless Association of America. By 1912, Gernsback stated that some 400,000 individuals had subscribed or joined the WAA for science journalism and



electrical experimentation.

Thousands of boys and men across the USA developed an interest in science and technology. Subscribers grew into burgeoning amateur operators whose hobbies later resulted in professional radio repair and production careers.

All this came from a boy fascinated with the pipedream of an electric doorbell. The idea must have caught on because his neighbors allowed him to install it in their homes!

To polish off the story of Hugo Gernsback we should look at his radio station, magazines, and the very curious patents he held—but that is a story for another time.

Sources: 1. Hugo Gernsback. (2024, August 24). In Wikipedia. [https://en.wikipedia.org/wiki/Hugo\\_Gernsback](https://en.wikipedia.org/wiki/Hugo_Gernsback).

2. McElroy, Gil VE1PKD. "Remembering Hugo Gernsback." QST.

3. Jenkins, H. (n.d.). Hugo Gernsback. Media In Transition. [https://web.mit.edu/m-i-t/science\\_fiction/jenkins/jenkins\\_3.html](https://web.mit.edu/m-i-t/science_fiction/jenkins/jenkins_3.html). ♦



# New Here? Getting on the Club Repeater

If this is your first time signing on to a 2m UHF or VHF repeater, this is how you do it.

Assuming you are on a handheld HT get your manual or niftyguide out as all radio brands or models have different menu systems. For that matter, they rarely have the same words on the buttons.

1. Switch to VFO mode. This lets you enter a frequency as opposed to choosing a memory channel.

2. Punch in 440.350 MHz. On my Chinese junk radio, I key in 440350 as there is no decimal. My overprice Japanese radio only has a tuning knob which means I have to scroll each digit with the knob and cursor to the left.

3. Choose the shift setting and set it to "+" plus.

4. Set the PL tone to 110.9. Sorry, every radio does this in the hardest way they can find but when you see the option, your radio will help you choose the right value. Maybe.

5. Check that you are truly in FM mode, not digital.

6. Hit the PTT (Push-to-talk) button and listen for the beep. If you get a beep back from the repeater you did everything right. Save to a memory channel.

Greg Kent KK6AXF slaves over the hardware for us. Be sure to take a moment and thank him and our repeater trustee John Smyder W5JWS—they're always listening. They have no life. ♦

*(Impotent continued from Page 1)*

with a call of KCO-0634. Andy went dormant till April 2013 he became KF5VFG. He passed his General and then his Extra in November of the that year. He then took on the vanity call W5KZJ, which was his great uncle's call from the mid-50s.

Jeff Feldman was a CB convert to ham radio after rag-chewing with his father since the 1960s. He became a ham with a much-hallowed novice license in 1971.

Kathy Wingo became interested in Amateur Radio in September 2020 when she went with her husband Ev and a friend one morning to do a POTA activation. They got their his and hers licenses in September. She was also SARA's secretary last year.

Ev Wingo, of course, got his license with his wife in 2020. Interestingly neither of them touched a transceiver until they had their amateur extra tickets.

Jim Szot was first licensed as WN2VVZ at age 13. His first ham club was fortunate to be located in the house attached to the still-working lighthouse in his hometown, Dunkirk, NY. He has served as a club officer in the past.

Lisa Barnes became a ham in June of 2016 and deserves special commendation for being the wife of our president, Andy. ♦

## Are You at Least 65?

(Source: ARRL)

ARRL is pleased to announce a partnership with Grouper. Grouper provides benefits to ARRL members aged 65+ for staying active in their communities and these benefits include covering costs associated with your social activity. According to the United States Surgeon



*I'll wait...*

General, staying socially active in group activities has proven health benefits and is critical for older Americans, who have above-average risks of social isolation and depression.

For ARRL members with an eligible Medicare Advantage or Medicare Supplement plan, you'll receive a \$50 check from Grouper. In addition, if you continue to stay active in ARRL activities -- such as attending ARRL Affiliated Club meetings, getting on the air with friends, going to hamfests, or even just socializing with other members at the coffee shop -- Grouper will send you a \$20 social wellness incentive every three months.

From ARRL contests to Field Day and radio club meetings, ARRL and amateur radio activities keep our members socially connected and promote a healthier, more fulfilling life. We know you value community and camaraderie. Let Grouper support those values.

To redeem your benefit, visit <https://hellogrouper.com/arrl>. Questions?

Please contact Grouper's Member Engagement Team at 833-445-2400 or [info@hellogrouper.com](mailto:info@hellogrouper.com). ♦

## Club Calendar

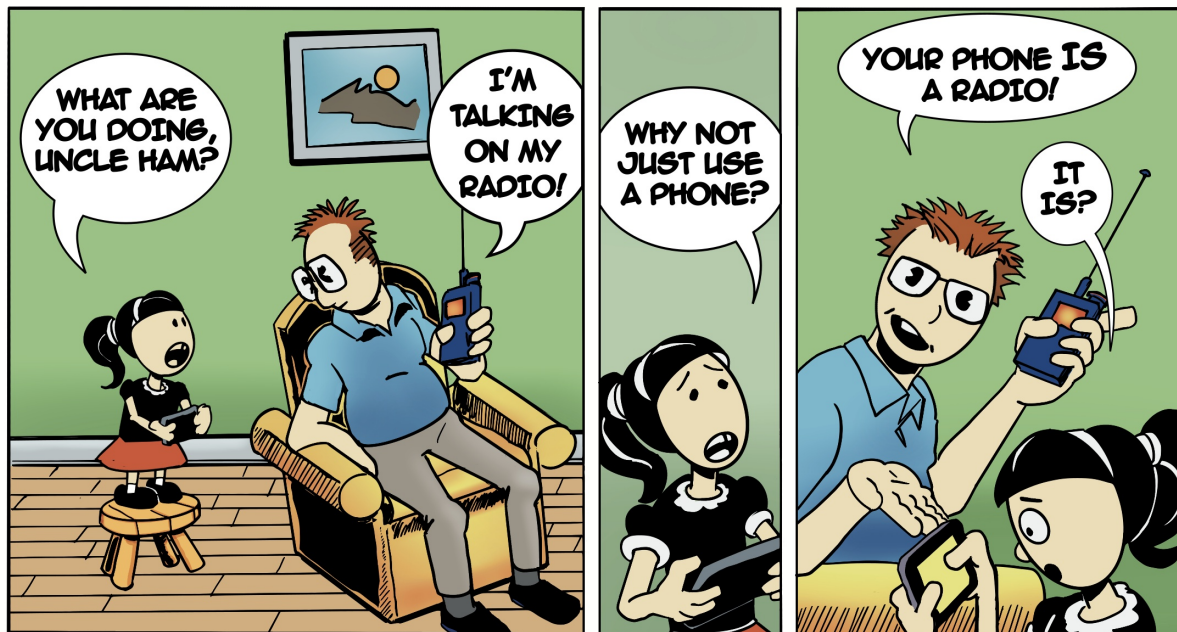
| <b>Sunday</b>                                                                                                                                            | <b>Monday</b>                                                                           | <b>Tuesday</b>                                                                                                                          | <b>1</b>  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>1p</b> Military Veterans D-Star Net @REF026A                                                                                                          | <b>7p</b> SARA Weekly Information Net @W5SRA                                            | <b>7:30p</b> Texas ARES Net                                                                                                             |           |
| <b>1p</b> Military Veterans D-Star Net @REF026A<br><b>9p</b> Collin County ARES @ WD5ERD<br>UBA ON Contest, SSB<br>Peanut Power QRP Sprint (CW,Ph)       | <b>6</b><br><b>7p</b> SARA Weekly Information Net @W5SRA<br>RSGB 80m Autumn Series, CW  | <b>7</b><br><b>7:30p</b> Texas ARES Net<br>ARS Spartan Sprint (CW)<br>DARC RTTY Sprint (D)<br>IRTS 80m Evening Counties Contest (CW,Ph) | <b>8</b>  |
| <b>1p</b> Military Veterans D-Star Net @REF026A<br><b>8p</b> Sachse RACES Public Service Net<br><b>2p</b> Texas RACES Net (HF)                           | <b>13</b><br><b>7p</b> SARA Weekly Information Net @W5SRA                               | <b>14</b><br><b>7:30p</b> Texas ARES Net                                                                                                | <b>15</b> |
| Jamboree on the Air (JOTA)<br><b>1p</b> Military Veterans D-Star Net @REF026A<br><b>9p</b> Collin County ARES Training Net<br>EME Contest ends 25:59 UTC | <b>20</b><br><b>7p</b> SARA Weekly Information Net @W5SRA<br>School Club Roundup starts | <b>21</b><br><b>7:30p</b> Texas ARES Net<br>School Club Roundup cont.                                                                   | <b>22</b> |
| <b>10a</b> Sachse FallFest<br><b>2p</b> Texas RACES Net (HF)<br><b>8p</b> Sachse RACES Public Service Net<br>RSGB FT4 Contest                            | <b>27</b><br><b>7p</b> SARA Weekly Information Net @W5SRA                               | <b>28</b><br><b>7:30p</b> Texas ARES Net                                                                                                | <b>29</b> |

## Club Calendar

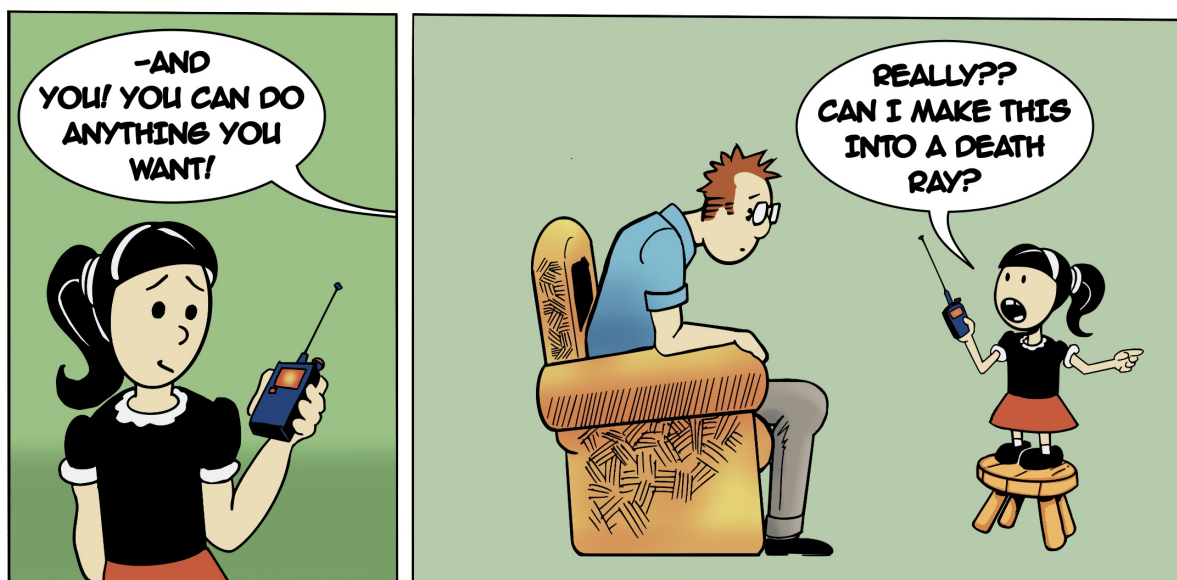
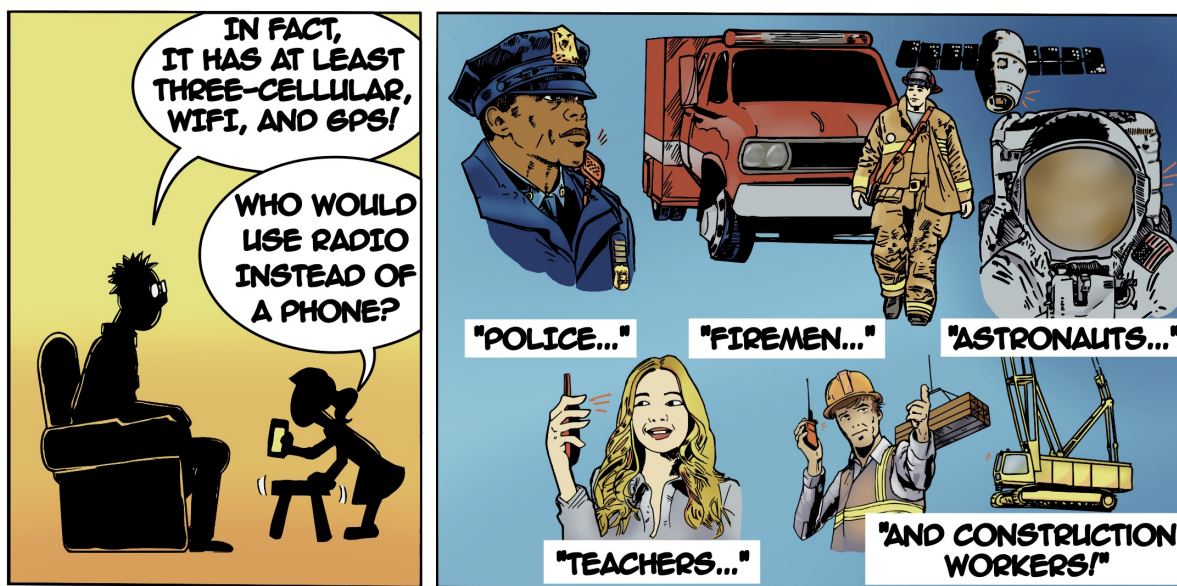
| <b>Wednesday</b> <b>2</b>                                                                                                                                 | <b>Thursday</b> <b>3</b>                                                                                   | <b>Friday</b> <b>4</b>                                                                                                                                                                                                                        | <b>Saturday</b> <b>5</b>                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6:50p</b> NTx Readiness QST Net                                                                                                                        | Walk for the Bacon QRP Contest (CW)<br>SARL 80m QSO Party (Ph)<br>NRAU 10m Activity Contest (ANY)          |                                                                                                                                                                                                                                               | <b>7:30a</b> QSO Breakfast@Ballard St. Cafe<br>Collegiate QSO Party (ANY)<br>Oceania DX Contest, Phone<br>902 MHz and Up Fall Sprint (ANY)<br>Russian WW Digital Contest (D)<br>IARU Region 1 UHF/Microwaves Contest (ANY)<br><b>International HELL Contest</b>                                                                              |
| <b>6:50p</b> NTx Readiness QST Net <b>9</b>                                                                                                               | <b>7:30p</b> SARA (Sachse) Club Meeting<br>10-10 Int'l 10-10 Day Sprint (ANY) <b>10</b>                    | <b>11</b>                                                                                                                                                                                                                                     | <b>7:30a</b> QSO Breakfast@Ballard St. Cafe <b>12</b><br><b>9a</b> W5YI VE Test Session @ Wylie<br>Makrothen RTTY Contest<br>QRP ARCI Fall QSO Party (CW)                                                                                                                                                                                    |
| <b>6:50p</b> NTx Readiness QST Net <b>16</b><br><b>7p</b> Murphy CERT Net @W5SSRA<br>AGCW Semi-Automatic Key Evening (CW)<br>RSGB 80m Autumn Series, Data | Walk for the Bacon QRP Contest (CW) <b>17</b><br>NTC QSO Party (CW)                                        | <b>18</b>                                                                                                                                                                                                                                     | Jamboree on the Air (JOTA) <b>19</b><br><b>7:30a</b> QSO Breakfast@Ballard St. Cafe<br><b>9a</b> W5SSRA Laurel VE Test Session<br>EME Contest 00:00 UTC<br>JARTS WW RTTY Contest<br>YBDXPI FT8 Contest<br>10-10 Int'l Fall Contest (CW)<br>YLRL DX/NA YL Anniversary Contest<br>Stew Perry Topband Challenge (CW)<br><b>Feld Hell Sprint</b> |
| <b>6:50p</b> NTx Readiness QST Net <b>23</b><br>School Club Roundup cont.                                                                                 | <b>7p</b> SARA Board of Directors Meeting <b>24</b><br>School Club Roundup cont.<br>RSGB 80m Autumn Series | School Club Roundup ends <b>25</b>                                                                                                                                                                                                            | <b>7:30a</b> QSO Breakfast@Ballard St. Cafe <b>26</b><br>CQ Worldwide DX Contest (Ph)                                                                                                                                                                                                                                                        |
| <b>6:50p</b> NTx Readiness QST Net <b>30</b><br>UKEICC 80m Contest (CW)                                                                                   | <b>31</b>                                                                                                  | <div> <div>Newsletter Submissions</div> <div>October 18</div> </div>                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                           |                                                                                                            | <div> <div>NEXT MEETING</div> <div>Thursday, October 10,</div> <div>7:30p</div> <div>APRS on BAOFENG</div> <div>NEW ACTIVITY PLANNING</div> <div>North Pointe Church of Christ</div> <div>7030 TX-78</div> <div>Sachse, TX 75048</div> </div> |                                                                                                                                                                                                                                                                                                                                              |



MAKE A DEATH RAY



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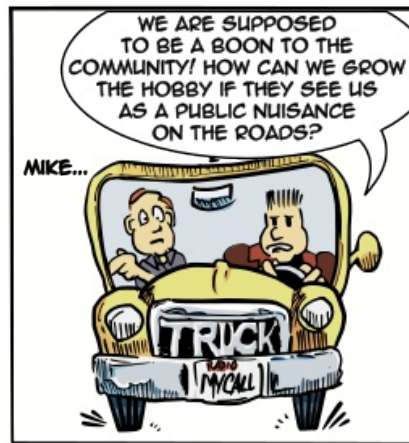
## SHOVEL AND LIME

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## MIKE CALL

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**Do you know the answers to these exam questions?****1. How are US amateurs restricted in segments of bands where the Amateur Radio Service is secondary?**

- A. U.S. amateurs may find non-amateur stations in those segments, and must avoid interfering with them
- B. U.S. amateurs must give foreign amateur stations priority in those segments
- C. International communications are not permitted in those segments
- D. Digital transmissions are not permitted in those segments

**2. Which of the following transmissions is permitted for all amateur stations?**

- A. Unidentified transmissions of less than 10 seconds duration for test purposes only
- B. Automatic retransmission of other amateur signals by any amateur station

- C. Occasional retransmission of weather and propagation forecast information from US government stations
- D. Encrypted messages, if not intended to facilitate a criminal act

**3. Who must be in physical control of the station apparatus of an amateur station aboard any vessel or craft that is documented or registered in the United States?**

- A. Only a person with an FCC Marine Radio license grant
- B. Only a person named in an amateur station license grant
- C. Any person holding an FCC issued amateur license or who is authorized for alien reciprocal operation
- D. Any person named in an amateur station license grant or a person holding an unrestricted Radiotelephone Operator Permit

Answer: 1.A, 2.C, 3.C

**SARA Skywaves**

Is published each month for the purpose of informing Sachse Amateur Radio Association members of current events and issues of interest to amateur radio operators. Articles and suggestions are always welcome. Articles that appear in this publication may be reproduced provided credit is given to SARA Skywaves and to the original source. SARA is a Texas Non-Profit 501(c)3 corporation based in Sachse, TX.

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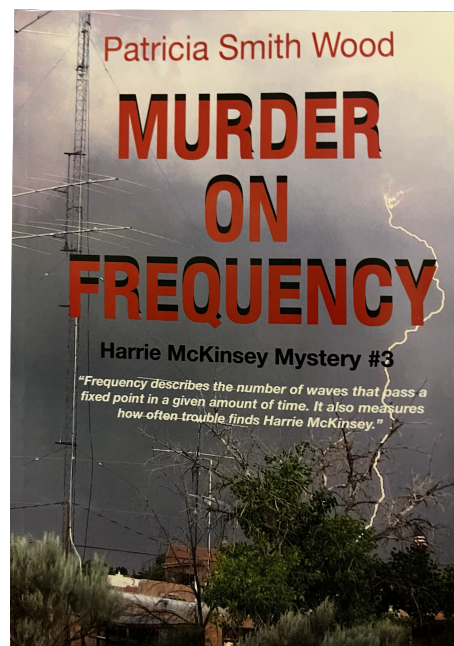
newslettereditor@sachseradio.org



# MURDER ON FREQUENCY: A HAM RADIO NOVEL REVIEW

by KG5WHQ

Note: This book will be available by random drawing at the November SARA club meeting. You must attend.



## Murder On Frequency

Author: Patricia Smith Wood

Genre: Murder mystery, fiction

Published by: Aakenbaaken & Kent, New York, 2016

Pages: 364

Rating: ★★☆☆ 3/5

Price: \$16.99 USD (Amazon)

**Synopsis:** The main character, Harrie McKinsey, is an amateur sleuth married to an FBI agent. She and her pals are pursuing their ham radio license, which plays a negligible role in the story that is there to explain minor plot details.

A ham operator goes missing, likely murdered, seven years ago. Recently, his widow hears his call on the radio. She hears his voice and then a crash. The OM goes silent. Is he really a silent key(SK)? That is for Harrie McKinsey and her troop of bustling future lady hams to find out.

As the cover is emblazoned, this is the third Harrie McKinsey

mystery.

Let me explain that my rating is low due to the spelling and grammar mistakes. Other various storytelling mechanics show issues. Forgivable, and to be expected, but the number of them is amateurish.

Reading *Murder On Frequency* you will find the chapters are longer

**License is not required to enjoy**

than a William Gibson Novel at 2-3 pages and one spent on the page break. The book is readable, in spite of itself. It was no challenge to read its 362 pages in a week even with other things going on.

The main characters wisely toward the end of the book turn the mystery and the story over to the police and husbands. While that is more realistic in an action situation it left me a little disappointed as I was hoping for more active resolution. It should be noted the central character is likely the author's self-insert, which is not always bad.

Coffee comes up so much in the story (just about every 3-page chapter begins with someone putting a pot on) that you are going to be convinced the author belongs to a caffeine cult. When do they go to the bathroom? Like nearly all CW shows but Superman and Lois, there are a lot of girl-boss moments that just boil away into pages of conversation. I think that is aimed at more at the X/YL audience.

**Recommendation:** As ham radio fiction goes, you have to give it consideration. I would suggest it whole-heartedly for wives and significant others and hope they enjoy it every bit as much as I did.

(License is not required to enjoy this story)◆

## RAPID DEPLOYMENT AMATEUR RADIO RADAR RALLY

Registration is Open for the Nov 2nd, 2024 RaDAR Rally.

RaDAR is Rapid Deployment Amateur Radio conceived by Eddie Leighton ZS6BNE.

RaDAR encourages outdoor operating with a unique challenge: make five contacts and redeploy as fast as possible in four hours. The RaDAR Challenge has become the RaDAR Rally with some rule tweaks. Please take a look at <https://www.radarrally.info> for the complete rules. If you are interested, please make your plans and register. Registration will facilitate RaDAR to RaDAR contacts. Email your registration info to the RaDAR Rally POC, Greg Lane, at [lanekg@gmail.com](mailto:lanekg@gmail.com). They will accept registrations through Nov 1st UTC. If your plans change, send Greg an update. This is not a contest; it is just for fun! Check out the intro video and the November 2024 roster on the web site.◆



# Ghost in the Noise

by Lonnie Webb KG5WHQ, Copyright (c) 2024 Lonnie Webb. All Rights Reserved.

Dark skies flashed with blue-green lightning in the howling winds and pelting rains of the hurricane. My name is Thibodeaux Ray, a storm spotter in a tow truck as the newest blow inches by. Leather smells in my truck contrast with the cold swampy thunderstorm odors outside. I kicked the heater on to keep the fog off the windshield. My hands were freezing in the air blast. I hadn't noticed how tightly I must have been gripping the wheel.

Hurricane storm spotting in the swamps of the south often becomes an effort to search out victims and I suppose my nerves had gotten excitable. Spotters serve the needs called for. Admittedly, I used that as an excuse to drive when the state police closed the roads. Radars can't see below tree level so someone has to report what the storm is doing on the ground.

Drumming windshield wipers kept me company as I watched the roads for activity. The storm had turned away from my location, it had been as bad as it would get. I was now following it.

My scanner crackled to life over the sound of the howling wind, startling me.

"Mommy?" it said. The AM light flashed while the voice spoke. It must be a wireless landline overpowering my mobile setup. Nobody but talk radio and airports use AM in this century.

Odd, though. I had thought all the power was out with the rural power lines being down.

"Is anyone there? I'm all alone," the voice called again, almost drowning in the hiss of static. The static continued for a long moment, tempting that more would follow.

"Call Dan," I spoke into my cell phone but all cell service was out. The towers were truly down or without power from the winds and floods. Not to worry, my handheld radio was connected to my truck antenna. I tuned up my partner on the handi-talkie.

"Anybody using this frequency? November Zero Tango, Dan? Are you there? Over," I called.

"November Zero Tango here. That you, Thibodeaux? Lots of noise on the bands. I can barely make you out. Over to you."

Wind blew a branch rolling across the road and continuing off the other side. I struggled to keep

the truck straight in the rain.

"Yessir. Look, I hear a transmission in AM on the scanner," my teeth chattered mildly. "I might go check it out. Over."

"I'm not getting it here. You're just hearing a ghost in the noise. The static is playing tricks on you. Over."

"Is anyone there?" the scanner cracked, barely audible.

"I don't think it's my imagination, Dan. Sounds like she's in trouble. Over."

"She?" quoted Dan. "Could be a siren in the noise, ha!"

"What gets me is the signal is coming in on the AM band," I told him.

"That would have to be an airband or commercial these days. Who is it? An airplane? Over."

"I don't know. Kinda thought it was a phone at first. But it sounded like a kid. Must be close to me."

"There might be money in it. Airlines pay a lot for recovery done right. Over."

The scanner continued hissing on the AM band. No voice was discernable for the moment.

"My radio will do AM but I'll lose you for a while. Especially, if I have to go direction-finding. How's the storm look? Over."

"I only have relay info but it looks like the worst has passed. Stay to the high ground though. A flash flood could still happen. Over," said Dan.

"Copy that. I am clear," I said, letting others know I was done using the frequency. Assuming, anyone was listening.

"Is anyone there? It's so dark," the child's voice called.

I pulled off the road and switched over to AM. "All stations, please repeat that transmission."

"Hello?" cried the voice. "I didn't think anyone would ever answer me!"

I spoke into the mic. "My name is Thibodeaux. What's your situation?"

"It's dark here and I am all alone," she said.

"What is your address?" It was hard to see through the rain but there were no houses in the area.



"I'm at the house."

"House? What road?" I asked, making no effort to show radio etiquette.

"On the farm," said the crackly voice as though any idiot could tell which farm she was talking about. I needed that idiot to navigate for me.

"How do I...get the farm?" I asked.

"On the farm road to the house," she said. There was a hint of sarcasm in her transmission.

I opened my map. Off the road were tire shops, storage centers, and bait shops but no residential. Any fair sized farm should be visible since the range of the signal is too limited for my buddy to hear.

"My mommy likes to walk down the road when she goes to walk the swamp."

"How do I find your farm road?" I asked with measured words. We've all heard stories of deeper-than-country folk wandering through the swamp. Of course, I haven't met anyone buck-toothed enough to fit the description. Yet.

There was crackling. I wanted to get out and use my handie-talkie antenna to locate the transmission. That is, my truck insulates signals so I put on my raincoat and hat. Unscrewing the antenna cable from my handheld, I replaced the shorter "rubber ducky" antenna. Then I added a gap between the fitting and the body of the radio just big enough for one thumbnail.

I hopped out of the truck for better reception and said, "Talk to me! I am finding your direction but I need you to keep talking."

"What should I say?" she asked.

"Tell me about the road," I said. "When do I turn off the main highway?"

"There is a tractor by the bend in the road with the big tree. That tree is where the tractor was held up by a rope while men were working on it."

Turning in a tight swivel, I could hear her talk when I faced the direction opposite that which the truck was facing.

While she talked about trees and tractors she had seen by the road, I got back in the truck and stuck the short antenna out the window. Hastily, I turned around and drove back the way I came. She talked about a gas station and a big red gas truck. I had no idea what she was saying but at least I had a sort of bearing.

"That was the summer when we bundled hay. We took the bundled hay to a hay baler," she said in that scratchy transmission. I didn't understand what she meant. Hay balers are pulled by tractors.

Must be the simple error of a child. I smiled to myself when it occurred to me that she had no mic fright.

The direction quickly led off to the right so I looked for a turn. A numbered parish road went off namelessly so I followed it for a while. The road immediately turned to gravel and ran by an old concrete slab. I almost missed it.

Beside the slab was a rusted-out hulk of a wheelless tank truck. The frame was so frail it might as well have been a station wagon. This had to be the remains of a gas station and the transmission went off behind it on a fork. This path was grassy and the memory of ruts was no longer held by the ground here but there was an unmistakable vehicle-wide gap in the trees.

My lights picked up a dog trail leading up the dark lane. I followed that around a bend and soon passed through an open gate to an old chicken house and barn. On the other side of the road, where the signal had led, was a row of weeping willows dangling moss from above my head. I got out with my light and radio. The girl stopped talking but I was going in the right direction.

I found the house easy enough after peeling back the Spanish moss layers that draped around an open area like a fragmentary curtain. The faint light from the overcast moon was not strong enough to illuminate the grassy patch so I brought up my lantern to light the way.

"Can you hear me? Talk to me so I can find you," I swung the radio around at an angle in front of me.

"I'm still here. It's still so dark," said the quivering voice in the noise. "Have you seen mommy? She likes to go for walks in the swamp."

"In the swamp? During this weather?" I said with amazement. "I haven't seen her."

Rain was lighter now but still falling. It rode the currents of the air and fell predestined to land on the earth at my feet.

"I'm close now. Keep your nerve," I said with my mind going back to my boomstick in the back of the tow truck.

The strongest position was dead ahead—in the dark stood an overgrown dwelling. It was hard for me to make out where the vegetation ended and the structure began. It wasn't clear if the structure remained sound at all but I doubted the storm had harmed it; although, it made creaking noises just bearing up to the wind and rain. Louisiana swamps were notorious for consuming man-made homes, schools, and churches left abandoned. The

hurricanes certainly drove people away regularly enough.

Jutting up out of the ground, this stucco and clapboard Scooby-Doo house showed hints of being influenced by, not surprisingly, French architecture. The windows were so dark they looked like gaunt features more than elevations of the house. A tiny glow reflected from two upper windows that protruded from the sinking roof. The light did not come from inside, being a pale imitation of the moonlight, combined with the belfry over the porch, it looked like the face of a skull complete with a gasping mouth. I walked away from the dilapidated front porch. It smelled of rain and rotten wood. Rickety boards dangled from above what might have been a porch swing once. In addition to the creaking sounds, it did not look safe.

To the right, there was a side entrance. Beside it, an electric meter loop on the side of the house with the pitted metal lever that had been pulled down and drooped to one side. The cloth and asbestos-wrapped mains were disconnected from the house. The brownish fuse box was open and the rusty screw-in fuse receptacles revealed power-conducting connections were long gone.

I pulled gently on the screen door, but it was too much tugging the latch out of the rotted jamb. Dust and dirt fell from the frame the door sat in. The interior door was badly weathered and unlocked. The tin or bronze fittings squeaked as I eased it open. A musty, rotten wood smell rose from the inside also. Unsettling groans came from the structure.

"Hello," I called out. "Anybody hear me?"

Not only was there no answer, the house ceased groaning.

A hand-woven bread sack mat lay beyond the door into the kitchen. I pressed my feet gently on the floor as I walked in. I could hear the wood moving against nails in the floor under my careful paces. It held me up well enough but I confess to a certain weakness in the knees.

"Hello?" I then said into the radio. "I am in the house."

"I hear you, Thibodeaux!" said the child's voice through my radio.

"Why can't I hear you? Are you in the cellar?" I asked.

"I don't think so," she said. "We don't have a cellar in the house."

Looking for the signal, I waved the radio again. I

moved in the strongest direction, into a big room with a fireplace. Grapevines reached in from a pane-less window bearing no fruit.

An old piano stood against the wall opposite an infested and chewed-up couch. Stoneware crocks sat under it with no corks—empty vessels. Beyond that stood a sewing table and a large chair. On the table stood an ancient spark set. With the transmitter on my left and the receiver on my right, I leaned into the Telimco. A layer of dirt and grime clung to it but it was clearly a 1930's contraption. Being a spark radio it needed no electricity.

I grasped the stalk of the microphone horn and said "Radio check, can you hear me?"

My own voice crackled in my radio.

"I can hear you," came the child's voice from my HT.

"The signal is coming from right here. Where are you? Is there another radio in the house?"

"No," she said. "There is only the one radio."

A bang rattled the house and the faint moonlight was extinguished by the house shutters slamming shut. The air smelled of dirt and wet leaves. A door flew open revealing a ragged skeletal shape of what had been a woman standing in the doorway, with moss hanging off it. Her leathery arm reached out with a meatless hand. Hollow eyes looked in my direction putting a terrible fright in me stifling a scream in my throat! A glimmer of light seemed to glow in the back of the skull's interior. Any thing but holy glared into my face with an absence of soul.

With one stride it was upon me! I backed into the corner behind the sewing table looking for any escape. The frail wood of the shutters now stood like iron bars in my hands, refusing to budge regardless of my desperation to open them!

"Is mommy there?" said the child. "I hear mommy in the noise."◆

**ONLY YOU  
CAN STOP THIS KIND OF  
NONSENSE!**

**SEND ALTERNATIVE SUGGESTIONS  
TO THE NEWSLETTER!**

(While there is still time!)

Should you ever desire to get experience running a net, here is an easy to follow script to aid you along. Volunteer at the club meeting—we want you here!

# Sachse Amateur Radio Association Weekly Information Net Script

Created by Andy, W5KZJ March 01, 2023

## Preamble

Good evening all Radio Amateurs and welcome. This is Your Call, my name is Your Name, and I will be your Net Control Station for this session of Ham Radio in Sachse Weekly Information Net. This net meets every Monday night at 7:00 PM local time, on the W5SRA repeater, frequency 440.350, with an offset of +5, and using a PL tone of 110.9, for the purpose of discussing topics of interest to SARA members and others. (pause) This is a Directed Net. Please do not transmit unless directed to do so by Net Control. If the repeater should go down, everyone should switch to the Sachse emergency simplex frequency 146.400.

Also, if at any time, you have an emergency that is an imminent threat to life or property, break in by saying “Priority”, “Emergency”, or “Break Break” followed by your call sign, and the net will recognize your station and will stand by.

*(Pause)*

**A reminder Net Control Should ID. every 10 minutes.**

## Check-Ins

As we start check-ins this evening, we will break it down into a couple of categories.

1. Portable, mobile and short time check-ins.
2. General Check-ins

We will stand-by for portable, mobile and short time check-ins. Please, come now with your phonetic call sign, followed by your name.

**(Recognize short time, portable and mobile check-ins individually.)**

**(Go through the list and allow each station to make any comments that they might have.) (ASK for any additional check-ins.)**

**We will now standby for general check-ins. Please, check in now with your phonetic call sign, followed by your name.**

**(Go through the list and allow each station to make any comments that they might have. Then ask for more check-ins – this might need to be done 2 or 3 or more times – until there are no more check-ins.)**



**(Make sure you give your own call-sign regularly and allow others to ID appropriately as well.)**  
**(ASK for any additional check-ins.)**

#### **Club Announcements:**

Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give us your call sign.

**At this time, we will take stations with announcements of interest to the amateur radio community in general. *(When Ham Operators check-in initially, they may tell you if they have an announcement for later in the Net. Make note of those who have announcements and recognize them first.)***

SARA meets for breakfast every Saturday morning at 7:30AM at Ballard Street Cafe, 112 N. Ballard St in downtown Wylie. People begin showing up around 7 with most showing up by 7:30AM.

#### **TECH CORNER and SWAP NET**

Is there anyone who would like to ask a technical question, **or** share information on something they would like to buy or sell? **Remember no haggling over price.** Please come now with your call sign.

#### **Wrap-Up**

This is **(your name and call)**. We wish to thank all who participated in the net this evening. This net will meet again next Monday night at 7:00 PM local time on the W5SRA Repeater. Sachse Amateur Radio Association meets the second Thursday at 7:30PM at North Point Church of Christ, 7030 Hwy 78, Sachse, TX. The Sachse Amateur Radio Association Board of Directors meets the fourth Thursday at 7:00PM on Google Meet, a link is in the club calendar.

#### **Late Check-Ins**

Before we end this Net, I would like to take late check-ins. If there are any late check-ins, please give your call sign and name slowly and clearly. *(Write down and read back each call sign).*

#### **Wrap-Up:**

This concludes the "Ham Radio in Sachse" Weekly Information Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at [www.sachseradio.org](http://www.sachseradio.org). This is *(name and call sign)* and we now return the W5SRA repeater to its normal use. Hope to hear from you next week.

# Action Photos



Saturday QSO breakfast - Mike McCaferty N5MMC- Mike Crow - Jim Eidman - Brandon Thomas KISSXE.



Saturday QSO Breakfast 9/21/2024 with Harold Liles and our long lost wayward Steve Harbin and new ham William Barrick.



Kathy Wingo K15LEY in Action Making Contacts.



Jeff Feldman K15DDX making a 2m QSO.



Ev Wingo K15LEX filling out his log.



Saturday QSO Breakfast 9/28/2024 where we were joined by the Barneses as well as John and Linda Smyder.

**NEXT MEETING**  
**Thursday, October 10, 7:30p**  
 APRS on BAOFENG  
 NEW ACTIVITY PLANNING  
 North Pointe Church of Christ  
 7030 TX-78  
 Sachse, TX 75048

**HEY!**  
**WE WANT YOU**  
**HERE!**